Appendix table 3-11

Employed S&E highest degree holders, by sex and field of degree: 2008

(Percent)

Highest degree field	Total	Female		Male	
		Number	Percent	Number	Percent
All S&E degrees	10,216,000	3,827,000	37.5	6,389,000	62.5
Computer and mathematical sciences	1,651,000	507,000	30.7	1,144,000	69.3
Computer and information sciences	1,159,000	317,000	27.4	841,000	72.6
Computer and information sciences	205,000	60,000	29.1	145,000	70.9
Computer science	651,000	162,000	24.9	489,000	75.1
Computer systems analysis	35,000	10,000	28.0	25,000	72.0
Information services and systems	191,000	66,000	34.5	125,000	65.5
Other computer and information sciences	77,000	20,000	25.9	57,000	74.1
Mathematics and statistics	492,000	190,000	38.6	302,000	61.4
Applied mathematics	92,000	34,000	37.5	57,000	62.5
Mathematics, general	289,000	118,000	40.9	171,000	59.1
Operations research	29,000	8,000	28.0	21,000	72.0
Statistics	50,000	20,000	39.4	31,000	60.6
Other mathematics	32,000	10,000	30.2	22,000	69.8
Biological, agricultural, and environmental life sciences	1,569,000	724,000	46.1	845,000	53.9
Agricultural and food sciences	266,000	98,000	37.0	168,000	63.0
Animal sciences	110,000	49,000	44.1	62,000	55.9
Food sciences and technology	32,000	19,000	58.9	13,000	41.1
Plant sciences	75,000	22,000	29.0	53,000	71.0
Other agricultural sciences	49,000	9,000	18.9	40,000	81.1
Biological sciences	1,125,000	567,000	50.4	558,000	49.6
Biochemistry and biophysics	101,000	44,000	43.2	57,000	56.8
Biology, general	507,000	264,000	52.2	242,000	47.8
Botany	26,000	12,000	45.2	14,000	54.8
Cell and molecular biology	60,000	29,000	48.3	31,000	51.7
Ecology	57,000	25,000	43.8	32,000	56.2
Genetics, animal and plant	18,000	8,000	47.7	9,000	52.3
Microbiological sciences and immunology	92,000	49,000	52.8	43,000	47.2
Nutritional sciences	36,000	34,000	95.1	2,000	4.9
Pharmacology, human and animal	20,000	7,000	35.7	13,000	64.3
Physiology and pathology, human and animal	43,000	18,000	41.1	25,000	58.9
Zoology, general	64,000	27,000	43.0	36,000	57.0
Other biological sciences	103,000	50,000	48.9	52,000	51.1
Environmental life sciences	178,000	59,000	32.9	119,000	67.1
Environmental science or studies	111,000	51,000	45.9	60,000	54.1
Forestry sciences	67,000	8,000	11.7	60,000	88.3
Physical sciences	665,000	183,000	27.5	482,000	72.5
Chemistry, except biochemistry	306,000	107,000	34.8	199,000	65.2
Earth, atmospheric, and ocean sciences	168,000	38,000	22.5	130,000	77.5
Atmospheric sciences and meteorology	22,000	3,000	13.3	19,000	86.7
Earth sciences	17,000	6,000	34.0	11,000	66.0
Geology	99,000	22,000	22.1	77,000	77.9
Geological sciences, other	21,000	6,000	27.2	15,000	72.8
Oceanography	10,000	2,000	17.7	8,000	82.3
Physics and astronomy	150,000	23,000	15.1	128,000	84.9
Astronomy and astrophysics	10,000	2,000	20.6	8,000	79.4
Physics	141,000	21,000	14.8	120,000	85.2
Other physical sciences	40,000	16,000	39.0	24,000	61.0
Social sciences	3,878,000	2,094,000	54.0	1,785,000	46.0
Economics	580,000	155,000	26.6	426,000	73.4
Agricultural economics	88,000	14,000	16.4	73,000	83.6
Economics	493,000	140,000	28.4	353,000	71.6
Political and related sciences	705,000	283,000	40.1	423,000	59.9
Public policy studies	49,000	26,000	52.9	23,000	47.1
International relations	110,000	56,000	50.9	54,000	49.1
Political science and government	547,000	201,000	36.8	346,000	63.2

Appendix table 3-11

Employed S&E highest degree holders, by sex and field of degree: 2008

(Percent)

Highest degree field	Total	Female		Male	
		Number	Percent	Number	Percent
Psychology	1,414,000	977,000	69.1	436,000	30.9
Educational psychology	96,000	73,000	75.6	24,000	24.4
Clinical psychology	119,000	74,000	62.0	45,000	38.0
Counseling psychology	244,000	178,000	72.7	67,000	27.3
Experimental psychology	33,000	16,000	49.4	17,000	50.6
General psychology	712,000	502,000	70.5	210,000	29.5
Industrial/organizational psychology	42,000	25,000	57.9	18,000	42.1
Social psychology	35,000	21,000	59.7	14,000	40.3
Other psychology	132,000	89,000	67.9	42,000	32.1
Sociology and anthropology	763,000	462,000	60.5	301,000	39.5
Anthropology and archaeology	125,000	80,000	64.1	45,000	35.9
Criminology	68,000	23,000	33.7	45,000	66.3
Sociology	571,000	359,000	62.9	212,000	37.1
Other social sciences	416,000	217,000	52.2	199,000	47.8
Area and ethnic studies	95,000	59,000	62.7	35,000	37.3
Linguistics	29,000	21,000	72.1	8,000	27.9
Philosophy of science	17,000	3,000	20.3	13,000	79.7
Geography	109,000	37,000	33.4	73,000	66.6
History of science	18,000	6,000	34.7	12,000	65.3
Other social sciences	149,000	91,000	61.2	58,000	38.8
Engineering	2,453,000	319,000	13.0	2,134,000	87.0
Aerospace, aeronautical, and astronautical engineering	81,000	6,000	8.0	75,000	92.0
Agricultural engineering	23,000	2,000	7.3	21,000	92.7
Bioengineering and biomedical engineering	34,000	13,000	37.5	21,000	62.5
Chemical engineering	165,000	38,000	23.2	127,000	76.8
Civil and architectural engineering	397,000	55,000	13.8	342,000	86.2
Architectural engineering	37,000	6,000	15.5	32,000	84.5
Civil engineering	360,000	49,000	13.6	311,000	86.4
Electrical and computer engineering	808,000	93,000	11.6	715,000	88.4
Computer and systems engineering	175,000	28,000	16.2	146,000	83.8
Electrical, electronics, and communications engineering	633,000	65,000	10.3	568,000	89.7
Engineering sciences, mechanics, and physics	34,000	4,000	13.0	30,000	87.0
Environmental engineering	44,000	9,000	20.3	35,000	79.7
Engineering, general	41,000	4,000	10.6	37,000	89.4
Geophysical and geological engineering	4,000	1,000	17.2	3,000	82.8
Industrial and manufacturing engineering	139,000	29,000	20.6	111,000	79.4
Materials engineering, including ceramics and textiles	43,000	9,000	21.5	33,000	78.5
Mechanical engineering	500,000	39,000	7.9	460,000	92.1
Metallurgical engineering	17,000	2,000	11.1	15,000	88.9
Mining and minerals engineering	13,000	S	S	13,000	97.6
Naval architecture and marine engineering	12,000	S	S	12,000	98.6
Nuclear engineering	13,000	2,000	12.0	12,000	88.0
Petroleum engineering	17,000	1,000	4.8	16,000	95.2
Other engineering	66,000	11,000	17.1	55,000	82.9

S = suppressed for reasons of confidentiality and/or reliability

NOTES: Detail may not add to total because of rounding. Numbers rounded to nearest 1,000. Percentages based on unrounded data.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Scientists and Engineers Statistical Data System (SESTAT) (2008), http://sestat.nsf.gov.

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